

GenCore version 5.1.3
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OM protein - protein search, using sw model

Run on: November 30, 2002, 12:28:13 : Search time 12.8748 Seconds

(without alignments)
1416.898 Million cell updates/sec

Title: US-10-054-680-4

Perfect score: 3228
Sequence: 1 MAMLRQLPLRSALFLHGLVT.....ADYGRGRGQEDSRDGKASIG 620

Scoring table: BLOSUM62

Gapop 10.0 , Gapext 0.5

searched: 262574 seqs, 29422922 residues

Total number of hits satisfying chosen parameters: 262574

Minimum DB seq length: 0
Maximum DB seq length: 2000000000

Post-processing: Minimum Match 0%

Maximum Match 100%

Database:

Issued Patents-AA:*
1: /cgn2_6/ptodata/1/1aa/5A.COMB.pep:*
2: /cgn2_6/ptodata/1/1aa/5B.COMB.pep:*
3: /cgn2_6/ptodata/1/1aa/6A.COMB.pep:*
4: /cgn2_6/ptodata/1/1aa/6B.COMB.pep:*
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6: /cgn2_6/ptodata/1/1aa/Backfile1.pep:*

Pred. No. is the number of results predicted by chance to have a
score greater than or equal to the score of the result being printed,
and is derived by analysis of the total score distribution.

SUMMARIES

Result No.	Score	Query Match	Length	ID	Description
1	113.5	3.5	339	US-09-134-001C-3608	Sequence 3608, Ap
2	108.5	3.4	652	US-08-050-684-2	Sequence 2, Appl
3	108.5	3.4	652	US-08-582-719-2	Sequence 2, Appl
4	103.5	3.2	988	US-08-286-819A-19	Sequence 19, Appl
5	103.5	3.2	988	US-08-980-357-19	Sequence 19, Appl
6	103	3.2	519	US-08-997-445D-2	Sequence 2, Appl
7	100.5	3.1	330	US-09-134-001C-3811	Sequence 3811, Ap
8	97.5	3.0	10182	US-09-134-001C-3159	Sequence 3159, Ap
9	93	2.9	447	US-08-836-687B-39	Sequence 39, Appl
10	92.5	2.9	1976	US-09-024-020B-9	Sequence 9, Appl
11	92.5	2.9	1976	US-09-425-043-9	Sequence 9, Appl
12	92.5	2.9	1978	US-09-024-020B-3	Sequence 3, Appl
13	92.5	2.9	1978	US-09-425-043-3	Sequence 3, Appl
14	92.5	2.9	1988	US-09-024-020B-4	Sequence 4, Appl
15	92.5	2.9	1988	US-09-425-043-4	Sequence 4, Appl
16	92	2.9	749	US-09-562-737-98	Sequence 98, Appl
17	91.5	2.8	503	US-09-562-737-67	Sequence 67, Appl
18	91.5	2.8	644	US-08-866-757-2	Sequence 2, Appl
19	91.5	2.8	644	US-09-153-593-2	Sequence 2, Appl
20	90.5	2.8	708	US-08-576-165-2	Sequence 2, Appl
21	90	2.8	497	US-09-058-947A-4	Sequence 4, Appl
22	90	2.8	500	US-08-868-373-12	Sequence 12, Appl
23	90	2.8	548	US-08-656-034-10	Sequence 10, Appl
24	90	2.8	1052	US-08-656-034-2	Sequence 2, Appl
25	89.5	2.8	1052	US-09-255-502-7	Sequence 7, Appl
26	89.5	2.8	1052	US-09-360-237-3	Sequence 3, Appl
27	89	2.8	825	US-09-540-824-26	Sequence 26, Appl

28	89	2.8	1780	US-08-769-309A-5	Sequence 5, Appl
29	89	2.8	1780	US-08-994-570-5	Sequence 5, Appl
30	88	2.7	1182	US-09-041-886-21	Sequence 21, Appl
31	88	2.7	2161	US-07-745-206A-2	Sequence 2, Appl
32	88	2.7	2161	US-08-455-543A-49	Sequence 49, Appl
33	88	2.7	2161	US-08-455-543A-51	Sequence 51, Appl
34	88	2.7	2161	US-08-223-305C-49	Sequence 49, Appl
35	88	2.7	2161	US-08-223-305C-51	Sequence 51, Appl
36	88	2.7	2161	US-08-311-363-2	Sequence 2, Appl
37	88	2.7	2265	US-08-149-097D-36	Sequence 36, Appl
38	88	2.7	2509	US-08-149-097D-35	Sequence 35, Appl
39	87.5	2.7	1144	US-08-726-214-6	Sequence 6, Appl
40	87	2.7	237	US-09-336-643A-25	Sequence 25, Appl
41	87	2.7	707	US-08-576-165-4	Sequence 4, Appl
42	86.5	2.7	297	US-08-466-906B-7	Sequence 7, Appl
43	86.5	2.7	297	US-08-706-281A-8	Sequence 8, Appl
44	86.5	2.7	297	US-09-201-746-7	Sequence 7, Appl
45	86.5	2.7	297	US-09-097-231-8	Sequence 8, Appl

ALIGNMENTS

RESULT 1

US-09-134-001C-3608

Sequence 3608, Application US/09134001C

Patent No. 6380370

GENERAL INFORMATION:

APPLICANT: Lynn Doucette-Stamm et al

TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCC

FILE REFERENCE: GTC-007

CURRENT APPLICATION NUMBER: US/09/134,001C

PRIOR FILING DATE: 1998-08-13

PRIOR APPLICATION NUMBER: US 60/064,964

PRIOR FILING DATE: 1997-11-08

PRIOR APPLICATION NUMBER: US 60/055,779

PRIOR FILING DATE: 1997-08-14

NUMBER OF SEQ ID NOS: 5674

SEQ ID NO 3608

LENGTH: 339

TYPE: PRT

ORGANISM: Staphylococcus epidermidis

US-09-134-001C-3608

Query Match

Best Local Similarity 20.4%; Score 113.5; DB 4; Length 339;

Matches 69; Conservative 53; Mismatches 149; Indels 67; Gaps 12;

QY	195	RIKIKLRVFITRAWISFVIMLYMLAVFSGVQVWEGLLTFFFPYCYLLAWADKR	254
DB	3	RIKIKRSDLMF-SIGFIIIVVALLILFSPVGLWSALAA--GVHVGIGTLVGM	58
QY	255	LFFYKMHKKYPRDKRGIIIFTEGDPKGIEMDKMNSHFL-----DGNL----	301
DB	59	L-----KRVSRKVIAPLKAHAGLNITLQLSHYLAGNVDRVDAITAAR	108
QY	302	---VPLE-GKEVDESREMIRILDKQHPKDKLDQLEKANYVALSHQKSAFYRI	356
DB	109	ADIDLFFERGAIDLGRDVLAVQ--MSVNPXVIEPTIAGVAMNGIEVKAKARITVA	166
QY	357	QATRMATGAG-NILKKAHDAQKASMSSEVTHDEEDISTKYFPDPCGYOCLENGAVL	415
DB	167	NIALRVGGAGEETIARVGEIVSTIGSEHHT-----EVLNDPNIS	209
QY	416	LVVVRKG--GDMKTMVVDYKTEDGSANAGADY---FTEGVVLRKPGETQKEPVG	468
DB	210	KVYLSGGLDSGTRAFELISIDIAVDISKNIAGDLQLEQALADKNINQAKAEGRRAVA	268
QY	469	IDDIDFEEDHFFVRLSNVRIEEOPEEGMPAIFNSL	506
DB	269	-----SEQEMKARVQEMRAKVAEASEVPLAMAEAL	299

RESULT 2
US-08-050-684-2
Sequence 2, Application US/08050684
Patent No. 5550221
GENERAL INFORMATION:
APPLICANT: Johann Dr., Stephen V.
APPLICANT: Van Zeijl Dr., Marja
APPLICANT: O'Hara Dr., Bryan M.
TITLE OF INVENTION: Amphotropic Virus Receptor
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: 1937 West Main Street
CITY: Stamford
STATE: CT
COUNTRY: United States of America
ZIP: 06904-0060
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/050,684
FILING DATE: 16-APR-1993
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: Lowney Dr., Karen A
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31937-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 652 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-050-684-2

Query Match 3.4%; Score 108.5; DB 1; length 652;
Best Local Similarity 19.9%; Pred. No. 0.045;
Matches 124; Conservative 89; Mismatches 210; Indels 201; Gaps 30;

QY 77 VIYVFAALYMF-LGVSIIADRMAST--EYITSOR-----EYTIKKPGET- 121
11 ILGFIIAFLAFSVGANDVANSFGVAVLRLQACILASIFETTSVLLGAKVGETI 70
122 --STTIRVWNETVSNLTMA-----LGSSAPEILLSLIE--VCG-HGFIAGDLGPSTI 170
71 RKIITDVNLKNEIVE--TLMAGEVSAMVGSAYVQGLASFLRLPISGTHCVSGTIGESLV 128
171 V-----GSAAFNFIIGICVYVIPDGEFRKIKHLRFF- 204
129 AIGTKGVOMELKIVASNFISPLLSGMSGLLFVILRIFLIKEDPVPGALALVYFA 188
205 ITAANSIFAYIM-----LYILAVESPVQVWEGILLTFPPVCV----- 245
189 ATTAIVFSLIMYGAVLGLVLPMAIALISFGVALLFAFWLFLVCPMMRRKITKLOK 248
246 --LLAVVADRLL-----LFYKYMHHKKYRTDKH---RGIIIEI-----EGDHPK 283
249 EGLSLKSVSDSLKVDLAESEPVFKELPGAKANDSTIPLTGAAGETLGTSEGTSAASHPR 308
284 GI-----EMDKMNSHF-----LDGNLVLPEKGEVDESRRERIRIKDLKOK 326
309 AAYGRALSMTHGSKVSPISGTFGFGHTRRSDSHVYHVKDGS-----LYKDLK 360
327 -HPEKLDQLEVMANYALSHQOKSRAFYRIQATRRMTGAGNITLKNAEQAKASSMSE 385

Db 361 IHIDRGEERKPAQESNYRLRRNNSTYCY---TAAICG---LPVHATERAADSQA--- 409
QY 386 VHTDEPEDFISKYFDPDPCSYQLENCGAVLLTVVRKGGDKMTMYDYKTEDGSANAGAD 445
Db 410 ----PED-SEKLVDGVVTS-----KKLRDRDSYSYCNAAVAEAE 444
QY 446 YEFTEGTIVLKPGETOKESFVGIIDDIFFEDHFFVRLSNVRIEEOPEGMPA--IF 503
Db 445 IEAEEGGEVEMK-----LASFLADPDQPREDD-----AEEKEEKDAPEVHLTF 487
QY 504 NSLPLRAVLAS-----PCVATVTLDDDHGIFTFEEDT-----IHV 541
Db 488 HFLQVLTACFSPAHGNDVSNALGPLVALMLTYKQ---GGVTOEATPVWLLFYGGVGI 544
QY 542 SESIGVMEVRLTSGARGTVIP 565
Db 545 CTGLMTWGRVITQTKGKDLPIPTP 568

RESULT 3
US-08-582-719-2
Sequence 2, Application US/08582719
Patent No. 5633348
GENERAL INFORMATION:
APPLICANT: Johann Dr., Stephen V.
APPLICANT: Van Zeijl Dr., Marja
APPLICANT: O'Hara Dr., Bryan M.
TITLE OF INVENTION: Amphotropic Virus Receptor
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: American Cyanamid Company
STREET: 1937 West Main Street
CITY: Stamford
STATE: CT
COUNTRY: United States of America
ZIP: 06904-0060
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/582,719
FILING DATE: 04-JAN-1996
CLASSIFICATION: 530
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/050,684
FILING DATE: 16-APR-1993
ATTORNEY/AGENT INFORMATION:
NAME: Lowney Dr., Karen A
REGISTRATION NUMBER: 31,274
REFERENCE/DOCKET NUMBER: 31937-00
TELECOMMUNICATION INFORMATION:
TELEPHONE: 203-321-2361
TELEFAX: 203-321-2971
TELEX: 710-474-4059
INFORMATION FOR SEQ. ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 652 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-582-719-2

Query Match 3.4%; Score 108.5; DB 1; length 652;
Best Local Similarity 19.9%; Pred. No. 0.045;
Matches 124; Conservative 89; Mismatches 210; Indels 201; Gaps 30;

QY 77 VIYVFAALYMF-LGVSIIADRMAST--EYITSOR-----EYTIKKPGET- 121
11 ILGFIIAFLAFSVGANDVANSFGVAVLRLQACILASIFETTSVLLGAKVGETI 70
122 --STTIRVWNETVSNLTMA-----LGSSAPEILLSLIE--VCG-HGFIAGDLGPSTI 170

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Db 71 RKGIIDVNLVNETVE--TLMEGEVSAMGSAWQLIASRLRPIGTHOIVSTIGFSLV 128
Qy 171 V-----GSAENFMETIIIGICVYVDPGETRIKHLRVEF- 204
Db 129 AIGTKGVOMMELKIVASWFSPLSGFMSGLLFLIRIFILKEDPVPNGIRALPVEFA 188
Qy 205 ITAASIFAYIM-----LYMILAVSPGVYQWEGLLTLEFFPVY----- 245
Db 189 ATIAINVSIMTGPVIGLVLPMAIALISFGVALLFAEFVWLVCPMRRKTIKKLOK 248
Qy 246 --LLAMVADKRL-----LEKYMHKKYRTDKH--RGIIET-----BGDHR 283
Db 249 EGALSRSVDESLKVOEASPVFKELPGAKANDSTIPLTGAAGETLIGSEGSAGSHR 308
Qy 284 GI-----EMDKMNSHF-----LDGNLVPLEGKEVDSSRREMIRILDKLOK 326
Db 309 AAYGRALSMTHGSVSPISNGTFGFGHTRSFGHYHHTVHKDSC-----LYKDLLHK 360
Qy 327 -HPEKDLDVEMANYVALSHQOKRAFRIGQATRMMTGAGNILLKHAEOAKKASSMSE 385
Db 361 IHIDGPEKPAQESNRYLLRRNNSYTCT--TALICG---LPHVHATFRADSSA--- 409
Qy 386 VHTDEPDEFISKVFDPSPCYOCLENGCAVLLTVRKGDMSKTYVYDYKTEDGSANAGAD 445
Db 410 ----PED-SEKLVGDVTSYS-----KKRLYDSSYSYCNVAEAE 444
Qy 446 YEFTGTVLKGFTQKEFSVCIIDDDIFEDEHFFVLNSVRIEEOPEEGMPRA--IE 503
Db 445 IEAEGGVEMK-----LASELADPDQPREDP-----AEEKEKKAPEVHLIF 487
Qy 504 NSLPLRVLAS-----PCVATVILDDNAGITFECDT-----IHV 541
Db 488 HFLOVLTACGFSFANGDVSNATIGRVLVWLITKO--GCVTOEATFVWLLFTGGVGI 544
Qy 542 SESIGVMEVKLTSGARGTVIP 565
Db 545 CTGLWVGRRVYQTMGKDLTPITP 568

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RESULT 4
US-08-286-819A-19
Sequence 19, Application US/08286819A
Patent No. 5871910
GENERAL INFORMATION:
APPLICANT: ARTHUR, MICHEL
APPLICANT: DUKTA-MALEN, SYLVIE
APPLICANT: MOLINAS, CATHERINE
APPLICANT: COURVALIN, PATRICE
TITLE OF INVENTION: POLYPEPTIDES IMPLICATED IN THE
EXPRESSION OF RESISTANCE TO GLYCOPROTEINS, IN PARTICULAR
TITLE OF INVENTION: IN GRAM-POSITIVE BACTERIA, NUCLEOTIDE SEQUENCE CODING FOR
NUMBER OF INVENTION: THESE POLYPEPTIDES AND USE FOR DIAGNOSIS
CORRESPONDENCE ADDRESS: 54
ADDRESS: OBLON, SPIVAK, MCLELLAND, MATER & NEUSTADT,
ADDRESS: P.C.
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC-DOS/MS-DOS
SOFTWARE: Patent Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/286,819A
FILING DATE: 05-AUG-1994
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/174,682

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FILING DATE: 28-DEC-1993
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/917,146
FILING DATE: 10-AUG-1992
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR/91/00855
FILING DATE: 29-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 9013579
FILING DATE: 31-OCT-1990
CLASSIFICATION: 435
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 5871910man F.
REGISTRATION NUMBER: 24,618
REFERENCE/DOCKET NUMBER: 660-060-0 PCT
TELECOMMUNICATION INFORMATION:
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEX: 248855 OPAT UR
INFORMATION FOR SEQ ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 988 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-286-819A-19
Query Match 3.2%; Score 103.5; DB 2; Length 988;
Best Local Similarity 19.3%; Pred. No. 0.3;
Matches 116; Conservative 89; Mismatches 173; Indels 223; Gaps 32;

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3 WRLOPLSAGLHFGVLFVL-----FLNGLRAGSGSDVSTGONNESCSSSQC 54
Db 104 WDLKEIRS---EYDFVFTLSEYRMTFKYLQALD-----NGDAIHLHSC 148
Qy 55 -----KEGYLP-----IWPENPSIGDKIARIYVFAVLIYFGLVGSIIADPFMS 101
Db 149 IDPLRKNIILPAITTLERKVV--EAKAAEK-----KLENTVS----- 185
Qy 102 IEVITSQERE-----VTIKRNGETSTTIRVNETVSNLTLMAAGSAPETLLSIEVC 156
Db 186 -KSLNKEKKELEGITTSHP--ESNKITILGMLKRP-----GNRPDEFKITE-- 233
Qy 157 GGGTAGDLGPSTIVGSAFNMFIIGICVYVDPGETRIKHL--RVFFTA----- 207
Db 234 -----RLEYIRGM-----DLETVOISHLHNRRLDLSRLGSRYE 267
Qy 208 --AWSIFAYIMVILAVSPGVYQWEGLLTLEFFPVCVLLAMVADKRLRKYKMKKX 265
Db 268 PAFRFDFOENKRSTLTY--LLOLTOELDKAF-----EINROILSLSGRKA 316
Qy 266 RTDKNRGIIETEGDHPKGIEMDKMNS--HFLDGNLVPLEGKEVDSSRREMIRILD 322
Db 317 QEEIQK-----QNGKKLNKRVIHFN-----IGALLIKAREKLDVFKV 355
Qy 323 LKQ-----KHPEKDLDVEMANYVALSHQOKRAFRIGQATRMMTGAGNILLKHA 375
Db 356 LESVLEMTFVSVEBAELARADYDYLLOK--RFYSLR--KTPPLILVLYLEHSTRK 411
Qy 376 -----QAKKASSMEVHTDEPDEFISKVFDPSPCYOCLENGCAVL----- 415
Db 412 ANEPLIQAVEITRGNNESKRRVPDSDVFTSKRW---KRLHEDDGTITIRHRYEMA 467
Qy 416 -LTVVR---KGGDMS---KTYVYDYKTEDGSANAGADYEFTGTVLKGFTQKEFSVGI 468
Db 468 VLTELEHNRADGSIYSGROYRDFE-----EYLFSDTYMNSGNGNRLSLVSLS- 516
Qy 469 IDDDIFEDEHFFVR-----LSNVRIEEOPEEG--MPPAIFNSL 506
Db 517 FEDYITERSSPNERLKLMAANSNKLDGVSLEKGLSLARLEKVDPEEAKKFSASLYQML 576

OY 507 P 507
DB 577 P 577

RESULT 5
US-08-980-357-19
Sequence 19, Application US/08980357
Patent No. 6013508
GENERAL INFORMATION:
APPLICANT: ARTHUR, MICHEL
APPLICANT: DUKHA-MALEN, SYLVIE
APPLICANT: MOLINAS, CATHERINE
TITLE OF INVENTION: POLYPEPTIDES IMPLICATED IN THE
TITLE OF INVENTION: EXPRESSION OF RESISTANCE TO GLYCOPROTEINS, IN PARTICULAR
TITLE OF INVENTION: IN GRAM-POSITIVE BACTERIA, NUCLEOTIDE SEQUENCE CODING FOR
TITLE OF INVENTION: THESE POLYPEPTIDES AND USE FOR DIAGNOSIS
NUMBER OF SEQUENCES: 34
CORRESPONDENCE ADDRESS:
ADDRESSEE: OBLON, SPIVAK, MCLELLAND, MAIER & NEUSTADT,
STREET: 1755 S. Jefferson Davis Highway, Suite 400
CITY: Arlington
STATE: Virginia
COUNTRY: U.S.A.
ZIP: 22202
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
OPERATING SYSTEM: IBM PC compatible
SOFTWARE: PatentIn Release #1.0, Version #1.25
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/980,357
FILING DATE:
CLASSIFICATION: 435
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 08/286,819
FILING DATE: 05-AUG-1994
APPLICATION NUMBER: US 08/174,682
FILING DATE: 28-DEC-1993
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 07/917,146
FILING DATE: 10-AUG-1992
PRIOR APPLICATION DATA:
APPLICATION NUMBER: PCT/FR/91/00855
FILING DATE: 29-OCT-1991
PRIOR APPLICATION DATA:
APPLICATION NUMBER: FR 9013579
FILING DATE: 31-OCT-1990
ATTORNEY/AGENT INFORMATION:
NAME: OBLON, NO. 6013508man F.
REGISTRATION NUMBER: 24,618
TELEPHONE: (703) 413-3000
TELEPHONE: (703) 413-3000
TELEFAX: (703) 413-2220
TELEFAX: 248855 OPAT UR
INFORMATION FOR SEQ. ID NO: 19:
SEQUENCE CHARACTERISTICS:
LENGTH: 988 amino acids
TYPE: amino acid
TOPOLOGY: linear
MOLECULE TYPE: protein
US-08-980-357-19

Query Match 3.2%; Score 103.5; DB 3; length 988;
Best Local Similarity 19.3%; Pred. No. 0.3;
Matches 116; Conservative 89; Mismatches 173; Indels 223; Gaps 32;

OY 3 WLRDPLTSLFHLGLVTFVL-----FLNGLRAAGSGVPTSGONNESCSSSDC 54
DB 104 WDLKEIRS---EYDEVFTLSSEYRMTFKYHLQALE-----NGDAIHLLHEC 148

OY 55 -----KEGVLP-----IWPENPSLDGKIAIVYFVALIYMLGVSIIADRFMAS 101
DB 149 IDFLRNKKILPAITTLERVM--EARAMAK-----KLENTVS----- 185

OY 102 IEVITSOERE-----VTIKPNEGSTTTIRVNNETVSNITLALSSAPILLSLIEVC 156
DB 186 -KSLTNEOKKEKELGIIITSOHP--ESNKTLIGWLKEPP-----GHPSEFLKITE-- 233

OY 157 GHGFIAGDGLSPITVISAANMFIIIGICVYIPDGETRIKHL---RVGFITA----- 207
DB 234 -----RLEYIRGM-----DEIVQISHHNRRLQSLRSRRE 267

OY 208 --AMSIIFYIWLMIYAVSPGVQWEGILTFEPFVCVLLAMVADKRLFFKYNHKKY 265
DB 268 PVAFRPQENKRRSILITV---LLQTLQELTDKAF-----EIHDRQLSLSKGRA 316

OY 266 RTQKHRCIITETGDPKGIEMDGKMMNS---HFLDGNLVPLEGEVDESRMRMITLKD 332
DB 317 QEEIQR-----QNGKRLNEKVIHFTN-----IGQALIKAREKLDVFKV 355

OY 323 LKQ-----KHPEKDLDLVEANYYALSHOOKSRAFRIOATRMGTGAGNLIKHAEE 375
DB 356 LESVIEWNTFVSSVEEQLAPADYIDLQK--RFSYLR--KTPITLRLVLEHSTK 411

OY 376 -----QAKRASSSEVHTDEPEDEIFSKVEFPDPSYOCLENCAVL----- 415
DB 412 ANEPPLQAVEITIGMNSGKRKVPDPSYDFISKRM---KRLYEDDGTIRNHYEMA 467

OY 416 -LTVVR---KGDMS---KTMVYDYKTEDGSANAAGADYETEGTVLAKPEOTKRESVGI 468
DB 468 VLTELEHRAAGDVSTVGRQYRDFE-----EYLESEDTWMSKNTLSVLS- 516

OY 469 IDDIFFEDDEHFFVR-----LSNVRIEEOPEEG--MPPATFNLSL 506
DB 517 FEDYITERSTSFNERLKLWLANSKLDGVSLEKGLSLARLEKDVPEBAKFSASLYQL 576

OY 507 P 507
DB 577 P 577

RESULT 6
US-08-997-445D-2
Sequence 2, Application US/08997445D
Patent No. 6043342
GENERAL INFORMATION:
APPLICANT: KOCHER, Olivier N.
TITLE OF INVENTION: PDZK1 Protein Containing PDZ
NUMBER OF SEQUENCES: 2
CORRESPONDENCE ADDRESS:
ADDRESSEE: David Prashker, Esq.
STREET: P.O. Box 67
CITY: Brookline
STATE: Massachusetts
COUNTRY: USA
ZIP: 02146
COMPUTER READABLE FORM:
MEDIUM TYPE: Diskette, 3.50 inch, 1.40 mb storage
OPERATING SYSTEM: MS DOS
SOFTWARE: Wordperfect version 5.1
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/08/997,445D
FILING DATE: December 23, 1997
CLASSIFICATION: 536
ATTORNEY/AGENT INFORMATION:
NAME: David Prashker
REGISTRATION NUMBER: 29,693
REFERENCE/DOCKET NUMBER: BIS-037
TELECOMMUNICATION INFORMATION:
TELEPHONE: (617) 232-7509

INFORMATION FOR SEQ ID NO: 2:
SEQUENCE CHARACTERISTICS:
LENGTH: 519 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
US-08-997-445D-2

Query Match 3.2%; Score 103; DB 3; Length 519;
Best Local Similarity 20.7%; Pred. No. 0.11;
Matches 47; Conservative 44; Mismatches 90; Indels 46; Gaps 10;

QY 282 PKGIEMDKMANSHFLDNLVPLEGKEDSRREMI-----RIL-----KDLKOKH 327
DB 165 PGVAMRAGVL-----ADHLLIENVGNEDASHEKVKKSSGRVFLVLDKDTDKRH 220
QY 328 PEKDLIDLVEMANYALSHQOKSRAFYRIQATRMNTGAGNLLKHAADQAKKASSMSEVH 387
DB 221 VEOKIQFKRETASLKLPHOPRI-----VEMKKGSGNGYFLR--ACSEGGQILIKDID 272
QY 388 TDEP-----EDFISKVFDPGSCYQCLNCGAVLLTVRKGGDMKTMVDTEDGS 439
DB 273 SGSPAEAGLKNNDLVAVNGE--SVETLDHDSVY--EMIRKGGDQTSLLVVDKEDTNNY 328
QY 440 ANAG-----ADYEFTGTVLKPGETOKERSVGIIDDDIFEEDEH 479
DB 329 LRAHSPFLYYQSOELPNGSVKRAPPTPTSLVLS--SPDITTEYVDH 374

RESULT 7
US-09-134-001C-3811
Sequence 3811, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3811
LENGTH: 330
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3811

Query Match 3.1%; Score 100.5; DB 4; Length 330;
Best Local Similarity 21.8%; Pred. No. 0.096;
Matches 47; Conservative 32; Mismatches 88; Indels 49; Gaps 6;

QY 302 VPLEGEKVEDSRREMIKRLKDLKOKHPEKDLIDLVEMANYALSHQOKSRAFYRIQ--AT 359
DB 135 VNSVDSKEIKENSKTSHTLLIKVKSXSDKE-----GLSDKKAKKEAKTOKEYE 183
QY 360 RMMTGAGNLLKHA--ABQAKASSMSEVHTDEPEDFISKVFPDSCYQCLNCGAVLLT 417
DB 184 KNPKNFGELAKESMDSSAKKDGSLGYVIKGMVDSFEKALFK----- 227
QY 418 VVRKGGDMKTMVVDY-----KTEDGSANAGADYEFTGTVLKP-----GETQ 461
DB 228 --LKEGEVSKVYKTDGYHIIKADKETDPSNKSNIKOKLIEKVKQKKPKLTLDAYKEL 285
QY 462 KEFSVGIIDDDIFEEDEHFPVRLSNVRIEEQPEEG 497
DB 286 KEYKVDYKRDRIKAIKIEDSIIDPPRIKIQOQOQOQO 321

RESULT 8

US-09-134-001C-3159
Sequence 3159, Application US/09134001C
Patent No. 6380370
GENERAL INFORMATION:
APPLICANT: Lynn Doucette-Stamm et al
TITLE OF INVENTION: NUCLEIC ACID AND AMINO ACID SEQUENCES RELATING TO STAPHYLOCOCCUS
FILE REFERENCE: GTC-007
CURRENT APPLICATION NUMBER: US/09/134,001C
CURRENT FILING DATE: 1998-08-13
PRIOR APPLICATION NUMBER: US 60/064,964
PRIOR FILING DATE: 1997-11-08
PRIOR APPLICATION NUMBER: US 60/055,779
PRIOR FILING DATE: 1997-08-14
NUMBER OF SEQ ID NOS: 5674
SEQ ID NO 3159
LENGTH: 10182
TYPE: PRT
ORGANISM: Staphylococcus epidermidis
US-09-134-001C-3159

Query Match 3.0%; Score 97.5; DB 4; Length 10182;
Best Local Similarity 21.5%; Pred. No. 67;
Matches 73; Conservative 56; Mismatches 133; Indels 77; Gaps 16;

QY 310 DESREMRILKDLKQ-----KHPEK-----IDLIVEMANYA-----LSHOOK 349
DB 9479 DATSNDLVNQADDEGQSAIEHIADELPKAKIDANOMIDQKVEDINHLISQNPNSNEEK 9538
QY 350 SRAFYRIQATRMNTGAGN-----ILKHAADQAKKASSMSEVHTDEPEDFISKVFPDSCY 405
DB 9539 NKLIQOI--NKLNVGINKNEIQAIKQIENM--TTKDEVIETTKKLIAAE-----AK 9590
QY 406 OCLNCGAVLLTVRKGGDMKTMVDTEDGSANAGADYEFTGTVLKPGETOKERS 465
DB 9591 QMIKELSOQRKDAINNNDL-----TPSQKHAHLADIDKTE-----KDALHIENS 9636
QY 466 VGIIIDDFEEDEHFEVRLSNVRIEEQPEEGMPAIFP--SLPLRVLASPCVA----- 519
DB 9637 NSI--DDINNKNKEHAFNTLAHIIWTDQO---PLVEFVPELSIONALVTSEVVVHDE 9690
QY 520 -----TVTILDDHAGIPTFECDDTIHVESIGVMEKVLRTSGANGTVIVFPFVE 570
DB 9691 TISLESIKKKMLTDLKKNIVSLP--NTDKVADHL--TAKVKYIILADGSLVTVNVVYKVE 9748
QY 571 GTAKGGGEDEDTYG-----ELEFKNDETVCROEA 601
DB 9749 KELQIAKKDAIKTIDVLVKOKIKDIDSNELSTQRED 9787

RESULT 9
US-08-836-687B-39
Sequence 39, Application US/08836687B
Patent No. 6448034
GENERAL INFORMATION:
APPLICANT: Gasson, Michael John
APPLICANT: Dodd, Helen Mair
TITLE OF INVENTION: PRODUCTION OF VARIANT NISIN
FILE REFERENCE: 20747/70
CURRENT APPLICATION NUMBER: US/08/836,687B
CURRENT FILING DATE: 1995-11-20
NUMBER OF SEQ ID NOS: 51
SOFTWARE: Patent In Ver. 2.1
SEQ ID NO 39
LENGTH: 447
TYPE: PRT
ORGANISM: Lactococcus sp.
US-08-836-687B-39

Query Match 2.9%; Score 93; DB 4; Length 447;
Best Local Similarity 18.7%; Pred. No. 0.96;
Matches 90; Conservative 68; Mismatches 157; Indels 166; Gaps 23;

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OY 74 IARVIVEALLTYMFGVSIADRFMASTEVTISOBREVTIKKPNGETSTTTIRVNNEV 133
Db 15 VIEIITICLLILLGLTF-----FLRQIGQISGE-----TIRSLDS- 54
OY 134 SULTMAUGSSAPEILLSLI-----EYCGHGFAGIDGPSTVGSAAFMNFIIIGCV 186
Db 55 DMLTIDSIDERDKKHYPYDITFIENDPSTKILGCHYKSDV-PS-FVASKOSSHNITGEIT 112
OY 187 YVIPGGEFKIKHLNVE-----FTTAMSLFAYIMLYN---ILAVFS----- 225
Db 113 YIYSSN-----KHESVYLKONSMPEFTNHTLSISITNPTYLEFELGELLIIIFSYYHLI 167
OY 226 -----PGVVOVMEGLLTLPFFPYCVLLAWVADRKLFLFKKMHKKYRTDKHRIIETE 278
Db 168 REFPSKNFOAVKIALKMGBITFP-----EGESKRIEFDQYLLNNYSKSELAFLENE 222
OY 279 GDHPGIEIDGKMNSH-----FLDGLVLPLEGEKDESDREMRIRIKD----- 322
Db 223 RHEKHDLISOVAL-SHDVKPTPLVAKGNIELLEMEVEVQADLFESKNSLTYFDKYF 281
OY 323 -----LKOKHBEKO-----LD---OLVEMANYALSHOOKSRAFYRIQATRM 362
Db 282 NTMISYTKLINDENMYKATISLEDLIDLDSVLEBELSTTYQVDYO-----LVKTTDLT 334
OY 363 TGAGNITLKKHAAEQAKKASSMSEVHTDEPEDFISKVFEDPCSYOCLENGAVLLTVVRKG 422
Db 335 TIFYGTLLLSRA-----LINIFVACQY-----AKE 360
OY 423 GD--NSKTMVYVYK-----TEDGSANGADVEFEGTVYLKPGETOKEFSYG 467
Db 361 GEKIYSLSTYDEKILYELIMNNGHPFSQAKKNAGKLF-FTEDT-----GRSGKHYGIG 414
OY 468 I 468
Db 415 I 415

RESULT 10
US-09-024-020B-9
: Sequence 9, Application US/09024020B
: Patent No. 6030810
: GENERAL INFORMATION:
: APPLICANT: DELGADO, STEPHEN G.
: APPLICANT: DIETRICH, PAUL S.
: APPLICANT: FISH, LINDA M.
: APPLICANT: HERMAN, RONALD C.
: APPLICANT: SANGAMESWARAN, IAKSHMI
: TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
: NUMBER OF SEQUENCES: 43
: CORRESPONDENCE ADDRESS:
: ADDRESSEE: JANET PAULINE CLARK
: STREET: 3401 HILLVIEW AVENUE, MS A2-250
: CITY: PALO ALTO
: STATE: CA
: COUNTRY: U.S.A.
: ZIP: 94304-1397
: COMPUTER READABLE FORM:
: MEDIUM TYPE: Floppy disk
: COMPUTER: IBM PC compatible
: OPERATING SYSTEM: PC-DOS/MS-DOS
: SOFTWARE: PatentIn Release #1.0, Version #1.30
: CURRENT APPLICATION DATA:
: APPLICATION NUMBER: US/09/024,020B
: FILING DATE: 16-FEB-1998
: CLASSIFICATION: 536
: PRIOR APPLICATION DATA:
: APPLICATION NUMBER: US 60/039,447
: FILING DATE: 26-FEB-1997
: ATTORNEY/AGENT INFORMATION:
: NAME: CLARK, JANET P.
: REGISTRATION NUMBER: 34,799
: REFERENCE/DOCKET NUMBER: R0020B-REG

```

[illegible]

COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 9:
SEQUENCE CHARACTERISTICS:
LENGTH: 1976 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-9

Query Match 2.9%; Score 92.5; DB 4; Length 1976;
Best Local Similarity 18.4%; Pred. No. 14; Matches 95; Conservative 69; Mismatches 167; Indels 185; Gaps 21;

QY 81 FVALI-----YMFGLVSIADRFMASIEVITSOEREVTIKKPNGETSTTTIRVWNETVSN 135
DB 797 FLKLAMPDYVYFQEGWNIFFDFIVLSLIM-----ELSLADVEGLSVLSRFL----- 844
QY 136 LTLMAIGSSAPRILSLIEVCGHGTAGDLPSTIVGSAFMFTIIGI-----CV 186
DB 845 LRVFLAKSWPTLNM-LIKIIGNS--VGALGNLTVLAIYVIFAVVGMQLGSKSYKECV 901
QY 187 YVIPGERTIKIKHLRVF-----ITAAWSIFAYIMLMILAVSPGVQYW 232
DB 902 CKINOECKLRPMHMDFFHSFLIVRVLCGEMIETMDCMEVAGAMCLIVM--MVNVI 959
Y 233 EGLTLFFRPVCLLAWADKRLFLFYKYMKKYRTDKHNGIITEGDPKGIEMDGKM 292
DB 960 GNLVVNLNLFALLLSFSADN-----LAATDD-----DGEYN 991
QY 293 NSHFLDGNLVPLEGKEVDSESRREMRILKDL-----KOKHPE--KDLDDL 335
DB 992 NLOI-----SVIRIKGVAMTKVKYHAFMQAHFKOREADEVPRDLDEL 1033
QY 336 VE-----MANYVALSHQOKSRAFYRIQATRMMTGAGNLIKRAAQAOKKASMSSEVHTDE 390
DB 1034 YEKKANCINAHNGVDIHRNGD--FQKNGNGTSSIGSSVEKIYID----- 1076
QY 391 PEDFISKYFDFPCSYQCLENCAGVLLTVVRKGDMSKTYVYDKTEDGSANAGADYEFT 450
DB 1077 EDHMS-----FINNPLIVRVPIAVG-----ESFELNLTNDVSS----- 1111
QY 451 GTVLAKPEETOKESVGIIDDDIEEDDEHFVRLSNVRIEEOPEBGMRAIFNSLPRLPR 510
DB 1112 -----ESDPEGSKDLDDTSSEGSTIDIKPEVEEVPRVPOPEYLD-----PD 1154
QY 511 AVLASPCVATVITLDDDHAGITFECDPIHVESSTG 546
DB 1155 ACFTGCVQ-----RFRCCOVNIEEGLG 1177

RESULT 12
US-09-024-020B-3

Sequence 3, Application US/09024020B
Patent No. 6030810
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGMESMARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
TITLE OF INVENTION: SODIUM CHANNEL 1-SUBUNIT AND A SPLICE VARIANT THEREOF
NUMBER OF INVENTIONS: 43
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: Patentin Release #1.0, Version #1.30
CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/024,020B
FILING DATE: 16-FEB-1998
CLASSIFICATION: 536
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 855-5322
INFORMATION FOR SEQ ID NO: 3:
SEQUENCE CHARACTERISTICS:
LENGTH: 1978 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-024-020B-3

Query Match 2.9%; Score 92.5; DB 3; Length 1978;
Best Local Similarity 18.4%; Pred. No. 14; Matches 95; Conservative 69; Mismatches 167; Indels 185; Gaps 21;

QY 81 FVALI-----YMFGLVSIADRFMASIEVITSOEREVTIKKPNGETSTTTIRVWNETVSN 135
DB 799 FLKLAMPDYVYFQEGWNIFFDFIVLSLIM-----ELSLADVEGLSVLSRFL----- 846
QY 136 LTLMAIGSSAPRILSLIEVCGHGTAGDLPSTIVGSAFMFTIIGI-----CV 186
DB 847 LRVFLAKSWPTLNM-LIKIIGNS--VGALGNLTVLAIYVIFAVVGMQLGSKSYKECV 903
QY 187 YVIPGERTIKIKHLRVF-----ITAAWSIFAYIMLMILAVSPGVQYW 232
DB 904 CKINOECKLRPMHMDFFHSFLIVRVLCGEMIETMDCMEVAGAMCLIVM--MVNVI 961
QY 233 EGLTLFFRPVCLLAWADKRLFLFYKYMKKYRTDKHNGIITEGDPKGIEMDGKM 292
DB 962 GNLVVNLNLFALLLSFSADN-----LAATDD-----DGEYN 993
QY 293 NSHFLDGNLVPLEGKEVDSESRREMRILKDL-----KOKHPE--KDLDDL 335
DB 994 NLOI-----SVIRIKGVAMTKVKYHAFMQAHFKOREADEVPRDLDEL 1035
QY 336 VE-----MANYVALSHQOKSRAFYRIQATRMMTGAGNLIKRAAQAOKKASMSSEVHTDE 390
DB 1036 YEKKANCINAHNGVDIHRNGD--FQKNGNGTSSIGSSVEKIYID----- 1078

QY 391 PEDFISKVFEDPCSYOCLENCGAVLLTVVRKGDMSKTMVVDYKTEDGSANAGADYEETE 450
1113
Db 1079 -EDHMS-----FINPNLTVRPIAVG-----ESDENLNTEDVSS-----1113
QY 451 GTVVLKGETOKERSVGIIDDDIFEDEHFFVRLSNVRIEEOPEEGMPAIFNSLPLPR 510
1114 -----ESDPEGSKDKLDDTSSSEGSTIDIKPEVEVEQPEEYLD-----PD 1156
QY 511 AVLASPCVATVTLDDDHAGIFTECDTHVSESIG 546
1157 ACFTGECVQ-----RKKCCQVNIIEBGLG 1179
RESULT 13
US-09-425-043-3
; Sequence 3, Application US/09425043
; Patent No. 6335172
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/425,043
; FILING DATE:
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 09/024,020
; FILING DATE: 16-FEB-1998
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R00208-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 3:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 1978 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: peptide
; US-09-425-043-3
Query Match 2.9%; Score 92.5; DB 4; Length 1978;
Best Local Similarity 18.4%; Pred. No. 14;
Matches 95; Conservative 69; Mismatches 167; Indels 185; Gaps 21;

QY 81 FVLLI-----YMFGLVSIIDRFMASIEVITSOERETIKKPKNGESTTIRVWNEVSN 135
1113
Db 799 FKLILMDPIYYIOEGNITDGIIVSLIM-----EISLADVGLSLVSRFL-----846
QY 136 LTLMAIGSSAPEILLILIEVCGHGFIAGDLGPSTIVGSAFNNFIIGI-----CV 186
Db 847 LRVFKLAKSWPTLNM-LIKITGNS--VGALGNLTLYLAIIVFIYAVGMOLFCKSYKECV 903
QY 187 YVTPDGETRIKILRVFE-----TTAASIFAYILVYLIVFSPGVQVW 232
Db 904 CKINQECKLFRMHWNDFHSEFLIVFRVLCGEWLETIMDCNEVAGQANCLIVFM--NVMVI 961
QY 233 EGLITFFFPVVCYLLAWVADKRLLEFKYMKRYRTDKHRCIITETEGDHKGIEMDGKM 292
Db 962 GNLYVNLFLALLLSFSADN-----LATD-----DOEMN 993
QY 293 NSHFLDGNLVPLECKEVEDSRERIRLKL-----KQKHP--KDLDL 335
Db 994 NLOI-----SVIRIKKGAVTKYKVAFMQAHFQRADEVKPDEL 1035
QY 336 VE-----MANYVALSHQOKRAFYRIQATMMTGAGILKKHAAEQAKKSSMSEVHTE 390
Db 1036 YEKKANCIAHNTGVDIHRND--FQKNGCTTGIGSSVKEKTIID-----1078
QY 391 PEDFISKVFEDPCSYOCLENCGAVLLTVVRKGDMSKTMVVDYKTEDGSANAGADYEETE 450
Db 1079 -EDHMS-----FINPNLTVRPIAVG-----ESDENLNTEDVSS-----1113
QY 451 GTVVLKGETOKERSVGIIDDDIFEDEHFFVRLSNVRIEEOPEEGMPAIFNSLPLPR 510
Db 1114 -----ESDPEGSKDKLDDTSSSEGSTIDIKPEVEVEQPEEYLD-----PD 1156
QY 511 AVLASPCVATVTLDDDHAGIFTECDTHVSESIG 546
Db 1157 ACFTGECVQ-----RKKCCQVNIIEBGLG 1179
RESULT 14
US-09-024-020B-4
; Sequence 4, Application US/09024020B
; Patent No. 6030810
; GENERAL INFORMATION:
; APPLICANT: DELGADO, STEPHEN G.
; APPLICANT: DIETRICH, PAUL S.
; APPLICANT: FISH, LINDA M.
; APPLICANT: HERMAN, RONALD C.
; APPLICANT: SANGAMESWARAN, LAKSHMI
; TITLE OF INVENTION: NOVEL CLONED TETRODOTOXIN-SENSITIVE
; NUMBER OF SEQUENCES: 43
; NUMBER OF SEQUENCES: 43
; CORRESPONDENCE ADDRESSES:
; ADDRESSEE: JANET PAULINE CLARK
; STREET: 3401 HILLVIEW AVENUE, MS A2-250
; CITY: PALO ALTO
; STATE: CA
; COUNTRY: U.S.A.
; ZIP: 94304-1397
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Floppy disk
; COMPUTER: IBM PC compatible
; OPERATING SYSTEM: PC-DOS/MS-DOS
; SOFTWARE: Patentin Release #1.0, Version #1.30
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/024,020B
; FILING DATE: 16-FEB-1998
; CLASSIFICATION: 536
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: US 60/039,447
; FILING DATE: 26-FEB-1997
; ATTORNEY/AGENT INFORMATION:
; NAME: CLARK, JANET P.
; REGISTRATION NUMBER: 34,799
; REFERENCE/DOCKET NUMBER: R00208-REG
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: (650) 852-3097
; TELEFAX: (650) 855-5322
; INFORMATION FOR SEQ ID NO: 4:
; SEQUENCE CHARACTERISTICS:

LENGTH: 1988 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-024-020B-4

Query Match 2.9% Score 92.5; DB 3; Length 1988;
Best Local Similarity 18.4%; Pred. No. 14; Mismatches 167; Indels 185; Gaps 21;
Matches 95; Conservative 69;

QY 81 FVALI-----YMFGLVSIADRFMAIEVITSOREVITIKKPNGETSTTTIRVNNETVSN 135
DB 809 FLKLIADPYIYFQEGNIIFGFIYSLSM-----ELSLADVEGSLVRSRL----- 856
QY 136 LTLMASSAPEILLSLIEVCGHGFIAGDLGPSTIVGSAAFNMFTIIGI-----CV 186
DB 857 LRVFKLAKSMPTLNM-LIKIIGNS--VGALGNLTVLVAIIVFIFAVVGMQLFGSKYKCV 913
QY 187 YVIDGERTKIKHLRVF-----ITAMSIFFVIMLYMILAVSPGVQVW 232
DB 914 CKIQECKLPKRMHNDFFHSFLIVFRVLCGEWITETMDCMEVAGACLIVFM--MVAVI 971
QY 233 EGLTLFFFPYCVLLAVADKRLLFYKYMKKYRTDKHKGIIITEGDHPKGIEMDGKM 292
DB 972 GNLYVNLFLALLSSFSADN-----LAATDD-----DGEMN 1003
QY 293 NSHFLDGNLVPLEGEVDESREMRILIKD-----KOKHPE--KDDQL 335
DB 1004 NLQI-----SVIRIKKGVAMTKVKVHAFOAHFKOREADEVKPLDEL 1045
QY 336 VE-----MANYVALSHQKSAFYRIQATRMGTAGNLIKKAHNAQAKKASMSSEVHTDE 390
DB 1046 YEKKANCIAHTGVDIHNNGD--FOKNGGTSSIGSSVEKYIID----- 1088
QY 391 PEDFISKVFPDPCSYQCLNCGAVLLTVRRKGDMSKTYVDYKTEDSSANAGADYEFTE 450
DB 1089 -EDHMS-----FINNNLTIVRPVIAVG-----ESDFELNLTEDVSS----- 1123
QY 451 GTVVLKGETOKERSVGIIDDDIFEEDHFFVRLSNVRIEEOPEEGMPPALFNSLPLPR 510
DB 1124 -----ESDPESGSKDLDTSSSEGSTIDIKPEVEEVPEOPEEYID-----PD 1166
QY 511 AVLASPCVATYTIIDDDHAGIFTECDTIHVSISIG 546
DB 1167 ACFTGECVQ-----RRFCOVNIEEGIG 1189

RESULT 15
US-09-425-043-4
Sequence 4, Application US/09425043
Patent No. 6335172
GENERAL INFORMATION:
APPLICANT: DELGADO, STEPHEN G.
APPLICANT: DIETRICH, PAUL S.
APPLICANT: FISH, LINDA M.
APPLICANT: HERMAN, RONALD C.
APPLICANT: SANGAMESWARAN, LAKSHMI
TITLE OF INVENTION: NOVEL CLONED TETRODOXIN-SENSITIVE
NUMBER OF INVENTIONS: SODIUM CHANNEL I-SUBUNIT AND A SPLICE VARIANT THEREOF
CORRESPONDENCE ADDRESS:
ADDRESSEE: JANET PAULINE CLARK
STREET: 3401 HILLVIEW AVENUE, MS A2-250
CITY: PALO ALTO
STATE: CA
COUNTRY: U.S.A.
ZIP: 94304-1397
COMPUTER READABLE FORM:
MEDIUM TYPE: Floppy disk
COMPUTER: IBM PC compatible
OPERATING SYSTEM: PC-DOS/MS-DOS
SOFTWARE: PatentIn Release #1.0, Version #1.30

CURRENT APPLICATION DATA:
APPLICATION NUMBER: US/09/425,043
FILING DATE:
CLASSIFICATION:
PRIOR APPLICATION DATA:
APPLICATION NUMBER: US 09/024,020
FILING DATE: 16-FEB-1998
APPLICATION NUMBER: US 60/039,447
FILING DATE: 26-FEB-1997
ATTORNEY/AGENT INFORMATION:
NAME: CLARK, JANET P.
REGISTRATION NUMBER: 34,799
REFERENCE/DOCKET NUMBER: R0020B-REG
TELECOMMUNICATION INFORMATION:
TELEPHONE: (650) 852-3097
TELEFAX: (650) 852-5322
INFORMATION FOR SEQ ID NO: 4:
SEQUENCE CHARACTERISTICS:
LENGTH: 1988 amino acids
TYPE: amino acid
STRANDEDNESS: single
TOPOLOGY: linear
MOLECULE TYPE: peptide
US-09-425-043-4

Query Match 2.9% Score 92.5; DB 4; Length 1988;
Best Local Similarity 18.4%; Pred. No. 14; Mismatches 167; Indels 185; Gaps 21;
Matches 95; Conservative 69;

QY 81 FVALI-----YMFGLVSIADRFMAIEVITSOREVITIKKPNGETSTTTIRVNNETVSN 135
DB 809 FLKLIADPYIYFQEGNIIFGFIYSLSM-----ELSLADVEGSLVRSRL----- 856
QY 136 LTLMASSAPEILLSLIEVCGHGFIAGDLGPSTIVGSAAFNMFTIIGI-----CV 186
DB 857 LRVFKLAKSMPTLNM-LIKIIGNS--VGALGNLTVLVAIIVFIFAVVGMQLFGSKYKCV 913
QY 187 YVIDGERTKIKHLRVF-----ITAMSIFFVIMLYMILAVSPGVQVW 232
DB 914 CKIQECKLPKRMHNDFFHSFLIVFRVLCGEWITETMDCMEVAGACLIVFM--MVAVI 971
QY 233 EGLTLFFFPYCVLLAVADKRLLFYKYMKKYRTDKHKGIIITEGDHPKGIEMDGKM 292
DB 972 GNLYVNLFLALLSSFSADN-----LAATDD-----DGEMN 1003
QY 293 NSHFLDGNLVPLEGEVDESREMRILIKD-----KOKHPE--KDDQL 335
DB 1004 NLQI-----SVIRIKKGVAMTKVKVHAFOAHFKOREADEVKPLDEL 1045
QY 336 VE-----MANYVALSHQKSAFYRIQATRMGTAGNLIKKAHNAQAKKASMSSEVHTDE 390
DB 1046 YEKKANCIAHTGVDIHNNGD--FOKNGGTSSIGSSVEKYIID----- 1088
QY 391 PEDFISKVFPDPCSYQCLNCGAVLLTVRRKGDMSKTYVDYKTEDSSANAGADYEFTE 450
DB 1089 -EDHMS-----FINNNLTIVRPVIAVG-----ESDFELNLTEDVSS----- 1123
QY 451 GTVVLKGETOKERSVGIIDDDIFEEDHFFVRLSNVRIEEOPEEGMPPALFNSLPLPR 510
DB 1124 -----ESDPESGSKDLDTSSSEGSTIDIKPEVEEVPEOPEEYID-----PD 1166
QY 511 AVLASPCVATYTIIDDDHAGIFTECDTIHVSISIG 546
DB 1167 ACFTGECVQ-----RRFCOVNIEEGIG 1189

Search completed: November 30, 2002, 12:33:32
Job time : 24.8748 secs

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